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Efforts of China-Russia Consortium at Global Aviation Space-Weather Service

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This keynote will cover the recent efforts of the China-Russia Consortium to provide services to the global civil aviation community. The China-Russia Consortium — a Global Space Weather Center (CRC) is a global space weather service provider designated by International Civil Aviation Organization (ICAO) for running the advisories for airlines, navigation, and traffic control agencies around the world[1]. It is is one of the four designated ICAO space weather centers. During the last year the CRC has issued more than 20 advisories concerning moderate or severe aviation-related space weather conditions. All ICAO-designated space weather centers issue advisories according to recommendations approved by the space weather and aviation communities. In addition to operational coordination, the centers also participate in harmonization and development efforts among each other and with World Meteorogical Organization and ICAO. This work include comparison of radiation models[2], radiofrequency protection, maximum usable frequency and GNSS-related issues, international data-sharing regulatory work and work with feedback from consumers. The discussion would also involve solar activity growth affecting the civil aviation. [1] International Civil Aviation Organization. Manual on Space Weather Information in Support of International Air Navigation (Doc 10100)

[2] Ishii, M. Comparison Of Radiation Models for ICAO Space Weather Services // In preparation